

light-emitting element at each intersection of the matrix, wherein a space between adjacent ones of said plurality of display elements is equal to a space between a signal electrode and a scanning electrode, such that each of said plurality of display elements forms a separate pattern; and

a plurality of drive circuits provided in correspondence to said plurality of display elements being mounted respectively on a plurality of circuit substrates for supplying signals to said plurality of signal electrodes and said plurality of scanning electrodes of said plurality of display elements,

wherein each of the plurality of circuit substrates has through-holes bored at positions opposing at least some of said plurality of signal electrodes and said plurality of scanning electrodes, and

wherein the through-holes are covered by an electrically conductive material.

REMARKS

Claims 1, 2, and 4-9 remain in the application and have been amended hereby with claim 3 having been cancelled, without prejudice or disclaimer. New claim 10 has been added.

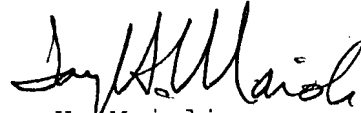
This application is a division of application 09/829,735 filed April 10, 2001.

As will be noted from the Declaration, Applicants are citizens and residents of Japan and this application originated there.

Accordingly, the amendments to the specification are made to place the application in idiomatic English, and the claims are amended to place them in better condition for examination.

An early and favorable examination on the merits is earnestly solicited.

Respectfully submitted,
COOPER & DUNHAM, LLP

A handwritten signature in dark ink, appearing to read "Jay H. Maioli". The signature is fluid and cursive, with the first name "Jay" and last name "Maioli" being clearly legible, and "H." as a small initial in the middle.

Jay H. Maioli
Reg. No. 27,213

JHM:gr

VERSION WITH MARKINGS TO SHOW CHANGES MADEIN THE ABSTRACT OF THE DISCLOSURE

The Abstract of the Disclosure has been amended as follows.

--An organic [EL] electromagnetic (EL) display [with a big screen can be realized], [a] wherein fabrication [work can be] is simplified, [a] manufacturing cost [can be] is reduced, [a] periodicity with which pixels are arrayed [on the whole of the screen can be] is maintained [after the manufacturing], [a] picture quality [can be] is prevented from [being deteriorated] deteriorating due to a boundary between transparent substrates, and high resolution [can be] is realized. A plurality of organic thin-film EL elements [(2)] are formed on a single transparent substrate [(1)]. Circuit substrates [(5)] in which driver circuits [(6)] for [supply] supplying signals to signal and scanning electrodes [and scanning electrodes] of the elements [(2)] are mounted are [closely] bonded to the [respective] elements [(2)]. The circuit substrate [(5)] is made of a material having] has an end-sealing property and [has] through-holes bored [at its positions opposing to] opposite the signal [electrode] and [the] scanning [electrode] electrodes. The through-holes are [buried] covered by a conductive, end-sealing material [having end-sealing property and conductivity]. Signals are supplied from the driver circuit [(6)] to the signal [electrode] and [the] scanning [electrode] electrodes through the conductive material [having end-sealing property and conductivity]. [The]

A portion of the organic EL element [(2) is covered at its portion] which is not bonded to the circuit substrate [(5)] is covered by an end-sealing material. [A cross-sectional side view showing an example of an arrangement of a display unit in which the organic thin-film EL element is formed as a unit.]--

IN THE CLAIMS

Please amend claims 1, 2, and 4-9 by rewriting same to read as follows, cancel claim 3, without prejudice or disclaimer, and add new claim 10.

--1. (Amended) A direct-view-type display apparatus [characterized by] comprising

a plurality of individual display elements [formed] placed on a single transparent substrate, each of said plurality of display elements having a plurality of signal electrodes and scanning electrodes in a matrix form with a light-emitting element at each intersection of the matrix, wherein a space between adjacent ones of said display elements is equal to a space between a signal electrode and a scanning electrode, such that each of said plurality of display elements forms a separate pattern; and

a plurality of drive circuits provided in [response] correspondence to said [respective] plurality of display elements being mounted respectively on a plurality of circuit substrates for supplying signals to said plurality of signal electrodes and scanning electrodes of said plurality display elements.

--2. (Amended) [In a] The direct-view-type display apparatus according to claim 1, [said direct-view-type display apparatus is characterized in that] wherein said transparent substrate is a film-like substrate.

--4. (Amended) [In a] The direct-view-type display apparatus according to claim [3] 10, [said direct-view-type display apparatus characterized in that] wherein said transparent substrate is a film-like substrate.

--5. (Amended) [In a] The direct-view-type display apparatus according to claim [3] 1, [said direct-view-type display apparatus characterized in that] wherein

said plurality of circuit [substrate is] substrates are covered [at its side surface] with [a] an elastic material [having elasticity].

--6. (Amended) [In a] The direct-view-type display apparatus according to claim [3] 1, [said direct-view-type display apparatus characterized in that] wherein: each of said plurality of display [element] elements is an organic EL element[,]; a height of a signal electrode and a height of a scanning electrode of said organic EL element on said transparent substrate are [nearly] substantially equal [to each other,]; said circuit substrate is made of a material having [an end-sealing] a sealing property and has

through-holes bored at [the] positions opposing said signal electrode and said scanning electrode[,]; said through-holes are [buried] covered by a conductive material having [an end-sealing] a sealing property [and a conductivity,]; said circuit substrate is closely joined to said organic EL element [under the condition] such that said through-holes are opposed to said signal electrode and said scanning electrode[,]; said drive circuit supplies a signal to said signal electrode and said scanning electrode through said conductive material having [an end-sealing] a sealing property [and a conductivity] and said organic EL element is covered at [its] a portion[, which] that is not jointed to said circuit substrate[, with [an end-sealing] a sealing material.

--7. (Amended) [In a] The direct-view-type display apparatus according to claim 6, [said direct-view-type display apparatus characterized in that] wherein each of said plurality of circuit [substrate] substrates is a film-like substrate.

--8. (Amended) [In a] The direct-view-type display apparatus according to claim 6, [said direct-view-type display apparatus characterized in that] wherein a side surface of each of said plurality of circuit [substrate] substrates is covered [at its side surface] with [a] an elastic material [having elasticity].

--9. (Amended) [In a] The direct-view-type display apparatus according to claim 7, [said direct-view-type display apparatus characterized in that] wherein a side surface of each of said plurality of circuit [substrate] substrates is covered [at its side surface] with [a] an elastic material [having elasticity].--